

WHAT IS CLAIMED IS:

1. A video signal processing apparatus comprising:

composition means for sequentially selecting a plurality of video signals supplied synchronously with the same synchronization signal at a vertical synchronization timing of said synchronization signal to obtain a composed video signal comprising a composition of said video signals; and

compression means for compressing a composed video signal obtained by said composition means.

2. The video signal processing apparatus according to claim 1 further comprising:

recording means for recording on a recording medium a compressed and composed video signal compressed by said compression means.

3. The video signal processing apparatus according to claim 1 further comprising:

transmission means for transmitting a compressed and composed video signal compressed by said compression means.

4. A video signal processing apparatus comprising:

composition means for sequentially selecting and composing a plurality of video signals supplied synchronously with the same synchronization signal at a vertical synchronization timing of said synchronization signal;

decompression means for applying a decompression process to a compressed and composed video signal compressed after composition by said composition means to obtain a decompressed composed video signal; and

video decomposition means for sequentially selecting a composed video signal output from said decompression means at a vertical synchronization timing to obtain a plurality of video signals.

5. The video signal processing apparatus according to claim 4 further comprising:

interpolation means for interpolating a video signal output from said video decomposition means.

6. The video signal processing apparatus according to claim 4 further comprising:

reproduction means for a recording medium,  
wherein a compressed and composed video signal input to said decompression means is reproduced by said reproduction means from a recording medium.

7. The video signal processing apparatus according to claim 4 further comprising:

reception means,  
wherein a compressed and composed video signal input to said decompression means is received by said reception means.

8. A video signal processing method comprising the steps of:  
sequentially selecting a plurality of video signals  
supplied synchronously with the same synchronization signal at  
a vertical synchronization timing of said synchronization signal  
to obtain a composed video signal comprising a composition of  
said plurality of video signals;

compressing said composed video signal; and

recording on a recording medium or transmitting said  
compressed and composed video signal.

9. A video signal processing method comprising the steps of:  
sequentially selecting and composing a plurality of  
video signals supplied synchronously with the same  
synchronization signal at a vertical synchronization timing of  
said synchronization signal;

applying a decompression process to a compressed and  
composed video signal compressed after composition in  
correspondence with said compression process to obtain a  
decompressed composed video signal; and

sequentially selecting said composed video signal at  
a vertical synchronization timing to output a plurality of video  
signals.

10. The video signal processing method according to claim 9  
further comprising the step of:

interpolating said output video signal.

11. An imaging apparatus comprising:

synchronization signal generation means;

a plurality of imaging means for performing imaging based on a synchronization signal from said synchronization signal generation means to output an imaged video signal;

composition means for sequentially selecting a plurality of imaged video signals obtained by said plurality of imaging means at a vertical synchronization timing of said synchronization signal to obtain a composed video signal comprising a composition of said plurality of imaged video signals; and

compression means for compressing a composed video signal obtained by said composition means.

12. The imaging apparatus according to claim 11 further comprising:

recording means for recording on a recording medium a compressed and composed video signal compressed by said compression means.

13. The imaging apparatus according to claim 11 further comprising:

transmission means for transmitting a compressed and composed video signal compressed by said compression means.

14. A reproduction apparatus comprising:

reproduction means for reproducing from a recording

medium a compressed and composed video signal generated by sequentially selecting and composing a plurality of imaged video signals obtained by a plurality of imaging means for performing imaging based on the same synchronization signal and by compressing said imaged video signals after composition, wherein said sequential selection is performed at a vertical synchronization timing of said synchronization signal;

decompression means for decompressing a compressed and composed video signal reproduced by said reproduction means from a recording medium in correspondence with said compression process to obtain a decompressed composed video signal; and

video decomposition means for sequentially selecting a composed video signal from said decompression means at a vertical synchronization timing to obtain a plurality of video signals.

15. The reproduction apparatus according to claim 14 further comprising:

interpolation means for interpolating a video signal output from said video decomposition means.

16. A reception apparatus comprising:

reception means for receiving a compressed and composed video signal generated by sequentially selecting and composing a plurality of imaged video signals obtained by a plurality of imaging means for performing imaging based on the same synchronization signal and by compressing said imaged video

signals after composition, wherein said sequential selection is performed at a vertical synchronization timing of said synchronization signal;

decompression means for decompressing a compressed and composed video signal received by said reception means in correspondence with said compression process to obtain a decompressed composed video signal; and

video decomposition means for sequentially selecting a composed video signal from said decompression means at a vertical synchronization timing to obtain a plurality of video signals.

17. The reception apparatus according to claim 16 further comprising:

interpolation means for interpolating a video signal output from said video decomposition means.